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cranium. He stated that individuals of *Trachycephalus* first belong to the genus *Hyla*, subsequently to *Scytotis*, later to *Osteocephalus*, and finally to *Trachycephalus*, and that no additional characters existed at any of these stages, to render such references inexact. He said that the characters of the inferior genera might be regarded in one sense as larval, and that as the genus *Siredon* had passed into *Amblystoma* by loss of larval characters, there was no reason why the preceding genera might not, under suitable circumstances, do the same, respectively. He said also that the specific characters were recognizable while the *Trachycephalus* exhibited the generic type of *Hyla* and others, suggesting that the specific characters might be more permanent than the generic. A similar case recorded by Agassiz was mentioned,—that of *Chelopus guttatus*, where the yellow spots appear before it has lungs or its family characters.

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July 2d.

The President, DR. HAYS, in the Chair.

Twenty-four members present.

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July 9th.

The President, DR. HAYS, in the Chair.

Eighteen members present.

Dr. Genth made some observations on certain doubtful minerals which he had lately examined. *Barnhardtite*, the peculiar copper ore which stands between *Chalcopryrite* and *Variegated Copper Ore*, occurs amongst the ores of Bill Williams Fork, Arizona.

From the same locality he observed *Brochantite*, both in foliated masses and small but brilliant crystals. A former pupil of his, Mr. N. S. Higgins, received in Arizona an *Arsenide of Copper*, the nature of which he did not fully ascertain, which proved to be the interesting species *Whitneyite*, of which we have now four localities: two on Lake Superior, one in Chili, and the last at La Lagoona, a rancho near the town of Saric, Sonora.

The *Tellurides* from Melones appear to be three distinct species. One seems to be principally *Telluride of Silver*, with some *Telluride of Gold*—probably auriferous *Hessite*. The second is a combination of *Telluride of Silver and Lead*; the third, and most interesting of all, is *Telluride of Nickel*, which he calls *Melonite*. This is the first time that a combination of Tellurium and Nickel has been observed. It has a reddish-white color, almost exactly like that of Bismuth, and a granular and foliated structure. The three *Tellurides* are associated with native Gold, Quartz, Pyrites, *Chalcopryrite*, *Calcite*, etc., and it is almost impossible to obtain pure material for analysis.

From several of the mines in Humboldt County, Nevada, he has noticed a mineral with the aspect of *Aikinite* or *Needle Ore*, with the examination of which he is at present engaged.

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July 16th.

MR. VAUX, Vice-President, in the Chair.

Sixteen members present.

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July 23d.

DR. BRIDGES in the Chair.

Eighteen members present.

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